SW2 HDMI NEW

Two Input HDMI Switcher

UNIQUE FEATURES

- Two Input HDMI Switcher

SW4 HDMI NEW

Four Input HDMI Switcher

UNIQUE FEATURES

- Four Input HDMI Switcher

COMMON FEATURES

- HDMI, CEC, and embedded multi-channel digital audio switching
- Inputs: 2 or 4 female HDMI type A connectors
- Output: 1 female HDMI type A connector
- Compatible with all HDTV rates including 1080p/60, and PC resolutions up to 1920x1200
- HDCP pass-through
- Independent input equalization
- Source signal presence indication
- Autoswitching capabilities
- RS-232 control
- HDMI 1.3 compatible
- IR remote control with optional Extron IR 102 handheld remote control
- Rack-mountable 1U, half rack width metal enclosure
- External universal power supply included, part # 70-055-01

DESCRIPTION

The **SW2 HDMI** and **SW4 HDMI** are two and four input, one output, HDMI switchers that allow multiple HDMI inputs, CEC signals, and embedded multi-channel digital audio to be switched to one compatible display. These switchers are compatible with all HDTV resolutions up to 1080p/60 and PC resolutions up to 1920x1200. Independent input equalization with user-selectable levels, compensates for long HDMI cables, and reduces the need for additional signal conditioning equipment.

Convenient control options allow easy integration into a variety of environments, and include front panel control, IR, and RS-232. To further simplify integration, both SW HDMI switchers are housed in compact, 1U, half rack width enclosures that are easily mounted into optional Extron 1U Universal Rack Shelf Kits.

MODEL	VERSION DESCRIPTION	PART #
SW2 HDMI	Two Input HDMI Switcher	60-841-01
SW4 HDMI	Four Input HDMI Switcher	60-841-02

Continued →

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Extron®

SW HDMI Series

SPECIFICATIONS

VIDEO

Gain	Unity
Maximum data rate	1.65 GHz data rate
Switching speed	200 ns (max.)
Resolution	Up to HDTV (1080p) or 1920x1200 @ 60 Hz (the highest resolution of the single link DVI standard)
HDCP	Switched/pass-through

VIDEO INPUT

Number/signal type	2 or 4 HDMI digital component video
Connectors	2 or 4 female HDMI type A
Nominal levels	
Digital video	1.2 Vp-p
DDC (Display Data Channel)	TTL: 5.0 Vp-p
Minimum/maximum levels	0.5 V to 1.0 Vp-p with no offset
Impedance	100 ohms
Equalization	Switch selectable for up to -12 dB of cable loss
TMDS clock jitter	0.30 Tbit relative to ideal recovery clock

Tbit = one tenth of the pixel time. Tbit = time required to carry a single bit across the TDMS data channel.
Tpixel = time required to carry a single pixel across the TDMS data channel.

TDR rise time (10%-90%)	<200 ps

VIDEO OUTPUT

Number/signal type	1 HDMI digital component video
Connectors	1 female HDMI type A
Nominal level	1.2 Vp-p
Minimum/maximum levels	0.5 V to 1.0 Vp-p (follows input)
Impedance	100 ohms
TMDS clock jitter	0.25 T^{bit} (max.) relative to ideal recovery clock

T^{bit} = one tenth of the pixel time. Tbit = time required to carry a single bit across the TMDS data channel.
T^{pixel} = time required to carry a single pixel across the TMDS data channel.

Rise time (20%-80%)	>75 ps
Fall time (20%-80%)	>0.4 T^{bit}

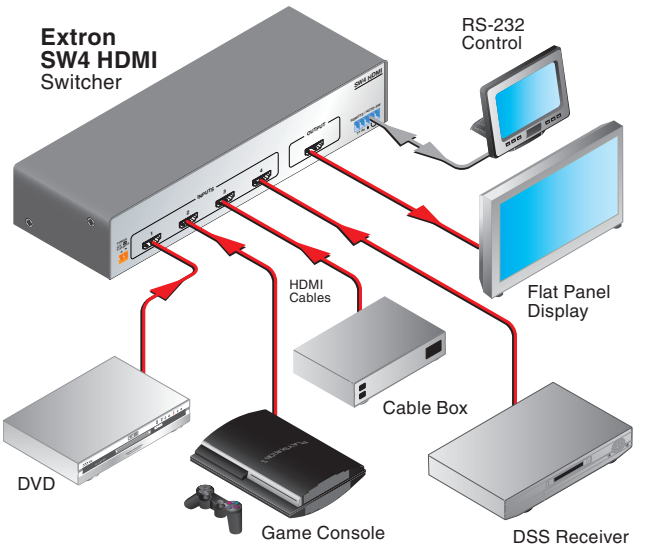
CONTROL/REMOTE — SWITCHER

Serial control port	(1) RS-232, 3.5 mm captive screw connector, 5 pole (shared with autoswitching control)
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	1 = TX, 2 = RX, 3 = GND
Contact closure	(1) 3.5 mm captive screw connector, 5 pole (shared with RS-232)
Contact closure pin configurations	Pins 4 and 5 shorted together turn autoswitch mode on.
IR controller module	IR 102 remote control (optional) 30' maximum, 40 degrees off axis
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

GENERAL

External power supply	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.7 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling	Convection, unvented
Rack mount	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or 60-604-01 (RSB 129); or 1U, 6" deep rack shelf, part #60-190-10 (RSU 126) or 60-604-10 (RSB 126); or 1 U, 3" deep VersaTools® rack shelf, part #60-190-20 (RSU 123) or 60-604-20 (RSB 123). Also furniture mountable with optional Under Desk Mounting Kit, #70-077-01 (MBU 125); or Through Desk Mounting Kit, #70-077-02 (MBD 129).
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide) 4.4 cm H x 22.2 cm W x 7.6 cm D (Depth excludes connectors.)
Product weight	0.5 lbs (0.3 kg)
Shipping weight	2 lbs (1 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%. Specifications are subject to change without notice.



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